directed only to the model craft, provided that a label indicating the station call sign and the station licensee's name and address is affixed to the station transmitter.

(b) The control signals are not considered codes or ciphers intended to obscure the meaning of the communication.

(c) The transmitter power must not exceed 1 W.

[54 FR 25857, June 20, 1989, as amended at 56 FR 56171, Nov. 1, 1991]

§ 97.217 Telemetry.

Telemetry transmitted by an amateur station on or within 50 km of the Earth's surface is not considered to be codes or ciphers intended to obscure the meaning of communications.

[56 FR 56172, Nov. 1, 1991. Redesignated at 59 FR 18975, Apr. 21, 1994]

§ 97.219 Message forwarding system.

(a) Any amateur station may participate in a message forwarding system, subject to the privileges of the class of operator license held.

(b) For stations participating in a message forwarding system, the control operator of the station originating a message is primarily accountable for any violation of the rules in this part contained in the message.

(c) Except as noted in (d) of this section, for stations participating in a message forwarding system, the control operators of forwarding stations that retransmit inadvertently communications that violate the rules in this part are not accountable for the violative communications. They are, however, responsible for discontinuing such communications once they become aware of their presence.

(d) For stations participating in a message forwarding system, the control operator of the first forwarding station must:

(1) Authenticate the identity of the station from which it accepts communications on behalf of the system; or

(2) Accept accountability for any violation of the rules in this part contained in messages it retransmits to the system.

[59 FR 18975, Apr. 21, 1994]

§ 97.221 Automatically controlled digital station.

(a) This rule section does not apply to an auxiliary station, a beacon station, a repeater station, an earth station, a space station, or a space telecommand station.

(b) A station may be automatically controlled while transmitting a RTTY or data emission on the 6 m or shorter wavelength bands, and on the 28.120–28.189 MHz, 24.925–24.930 MHz, 21.090–21.100 MHz, 18.105–18.110 MHz, 14.0950–14.0995 MHz, 14.1005–14.112 MHz, 10.140–10.150 MHz, 7.100–7.105 MHz, or 3.585–3.600 MHz segments.

(c) A station may be automatically controlled while transmitting a RTTY or data emission on any other frequency authorized for such emission types provided that:

(1) The station is responding to interrogation by a station under local or remote control; and

(2) No transmission from the automatically controlled station occupies a bandwidth of more than 500 Hz.

[60 FR 26001, May 16, 1995, as amended at 72 FR 3082, Jan. 24, 2007]

Subpart D—Technical Standards

§ 97.301 Authorized frequency bands.

The following transmitting frequency bands are available to an amateur station located within 50 km of the Earth's surface, within the specified ITU Region, and outside any area where the amateur service is regulated by any authority other than the FCC.

(a) For a station having a control operator who has been granted a Technician, General, Advanced, or Amateur Extra Class operator license or who holds a CEPT radio-amateur license or IARP of any class:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (paragraph)
VHF	MHz	MHz	MHz	
6 m		50–54	50–54	(a)
2 m	144–146	144–148	144–148	(a), (k)

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (paragraph)
VHF	MHz	MHz	MHz	
1.25 m		219–220		(l)
Do		222–225		(a)
UHF	MHz	MHz	MHz	
70 cm	430–440	420–450	430–440	(a), (b), (m)
33 cm		902–928		(a), (b), (e), (n)
23 cm	1240–1300	1240–1300	1240–1300	(b), (d), (o)
13 cm	2300–2310	2300–2310	2300–2310	(d), (p)
Do	2390–2450	2390–2450	2390–2450	(d), (e), (p)
SHF	GHz	GHz	GHz	
9 cm		3.3–3.5	3.3–3.5	(a), (b), (f), (q)
5 cm	5.650–5.850	5.650–5.925	5.650–5.850	(a), (b), (e), (r)
3 cm	10.0–10.5	10.0–10.5	10.0–10.5	(a), (b), (k)
1.2 cm	24.00–24.25	24.00–24.25	24.00–24.25	(b), (d), (e)
EHF	GHz	GHz	GHz	
6 mm	47.0–47.2	47.0–47.2	47.0–47.2	
4 mm	76–81	76–81	76–81	(c), (f), (s)
2.5 mm	122.25–123.00	122.25–123.00	122.25–123.00	(e), (t)
2 mm	134–141	134–141	134–141	(c), (f)
1 mm	241–250	241–250	241–250	(c), (e), (f)
	Above 275	Above 275	Above 275	(f)

(b) For a station having a control operator who has been granted an Amateur Extra Class operator license, who holds a CEPT radio amateur license, or who holds a Class 1 IARP license:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (paragraph)
MF	kHz	kHz	kHz	
160 m	1810–1850	1800–2000	1800–2000	(a), (c), (g)
HF	MHz	MHz	MHz	
80 m	3.500–3.600	3.500–3.600	3.500–3.600	(a)
75 m	3.600–3.800	3.600–4.000	3.600–3.900	(a)
60 m		See § 97.303(h)		(h)
40 m	7.000–7.200	7.000–7.300	7.000–7.200	(i)
30 m	10.100–10.150	10.100–10.150	10.100–10.150	(j)
20 m	14.000–14.350	14.000–14.350	14.000–14.350	
17 m	18.068–18.168	18.068–18.168	18.068–18.168	
15 m	21.000–21.450	21.000–21.450	21.000–21.450	
12 m	24.890–24.990	24.890–24.990	24.890–24.990	
10 m	28.000–29.700	28.000–29.700	28.000–29.700	

(c) For a station having a control operator who has been granted an operator license of Advanced Class:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (Paragraph)
MF	kHz	kHz	kHz	
160 m	1810–1850	1800–2000	1800–2000	(a), (c), (g)
HF	MHz	MHz	MHz	
80 m	3.525–3.600	3.525–3.600	3.525–3.600	(a)
75 m	3.700–3.800	3.700–4.000	3.700–3.900	(a)
60 m		See § 97.303(h)		(h)
40 m	7.025–7.200	7.025–7.300	7.025–7.200	(i)

HF	MHz	MHz	MHz	
30 m	10.100–10.150	10.100–10.150	10.100–10.150	(j)
20 m	14.025–14.150	14.025–14.150	14.025–14.150.	
Do	14.175–14.350	14.175–14.350	14.175–14.350.	
17 m	18.068–18.168	18.068–18.168	18.068–18.168.	
15 m	21.025–21.200	21.025–21.200	21.025–21.200.	
Do	21.225–21.450	21.225–21.450	21.225–21.450.	
12 m	24.890–24.990	24.890–24.990	24.890–24.990.	
10 m	28.000–29.700	28.000–29.700	28.000–29.700	

(d) For a station having a control operator who has been granted an operator license of General Class:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (paragraph)
MF	kHz	kHz	kHz	
160 m	1810–1850	1800–2000	1800–2000	(a), (c), (g)
HF	MHz	MHz	MHz	
80 m	3.525–3.600	3.525–3.600	3.525–3.600	(a)
75 m		3.800–4.000	3.800–3.900	(a)
60 m		See § 97.303(h)		(h)
40 m	7.025–7.125	7.025–7.125	7.025–7.125	(i)
Do	7.175–7.200	7.175–7.300	7.175–7.200	(i)
30 m	10.100–10.150	10.100–10.150	10.100–10.150	(j)
20 m	14.025–14.150	14.025–14.150	14.025–14.150	
Do	14.225–14.350	14.225–14.350	14.225–14.350	
17 m	18.068–18.168	18.068–18.168	18.068–18.168	
15 m	21.025–21.200	21.025–21.200	21.025–21.200	
Do	21.275–21.450	21.275–21.450	21.275–21.450	
12 m	24.890–24.990	24.890–24.990	24.890–24.990	
10 m	28.000–29.700	28.000–29.700	28.000–29.700	

(e) For a station having a control operator who has been granted an operator license of Novice Class or Technician Class:

Wavelength band	ITU region 1	ITU region 2	ITU region 3	Sharing requirements *see* § 97.303 (paragraph)
HF	MHz	MHz	MHz	
80 m	3.525–3.600	3.525–3.600	3.525–3.600	(a)
40 m	7.025–7.125	7.025–7.125	7.025–7.125	(i)
15 m	21.025–21.200	21.025–21.200	21.025–21.200	
10 m	28.0–28.5	28.0–28.5	28.0–28.5	
VHF	MHz	MHz	MHz	
1.25 m		222–225		(a)
UHF	MHz	MHz	MHz	
23 cm	1270–1295	1270–1295	1270–1295	(d), (o)

[75 FR 27201, May 14, 2010, as amended at 75 FR 78171, Dec. 15, 2010]

§ 97.303 Frequency sharing requirements.

The following paragraphs summarize the frequency sharing requirements that apply to amateur stations transmitting in the frequency bands specified in § 97.301 of this part. Each frequency band allocated to the amateur service is designated as either a secondary service or a primary service. A station in a secondary service must not cause harmful interference to, and must accept interference from, stations in a primary service.